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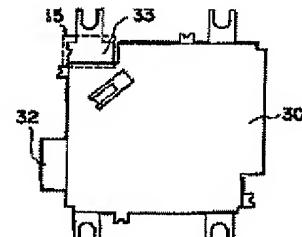
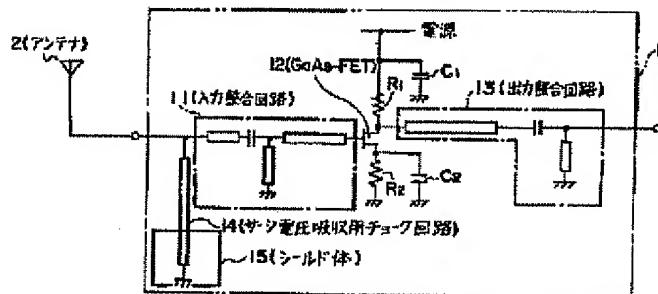
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APPLICANT : TOYOTA MOTOR CORP;

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TITLE : PREAMPLIFIER FOR GPS ANTENNA



ABSTRACT : PURPOSE: To prevent abnormal oscillation, to shorten the development time and to save the development labor by coupling a choke circuit for surge voltage absorption and a shield body in a high frequency range.

CONSTITUTION: The shield body 15 is arranged for the preamplifier 1 for the GPS antenna. The shield body 15 covers at least part of the choke circuit 14 for surge voltage absorption which protects a GaAs-FET 12 against a surge voltage and this shield body 15 cuts off electromagnetic field coupling with the periphery. This shield body 15 is formed of a folded part 33. The folded part 33 is constituted integrally with a shield case 30 and, in other words, formed of part of the shield case 30. The folded part 30 has a surface brought into contact with at least part of the choke circuit 14 for surge voltage absorption.

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